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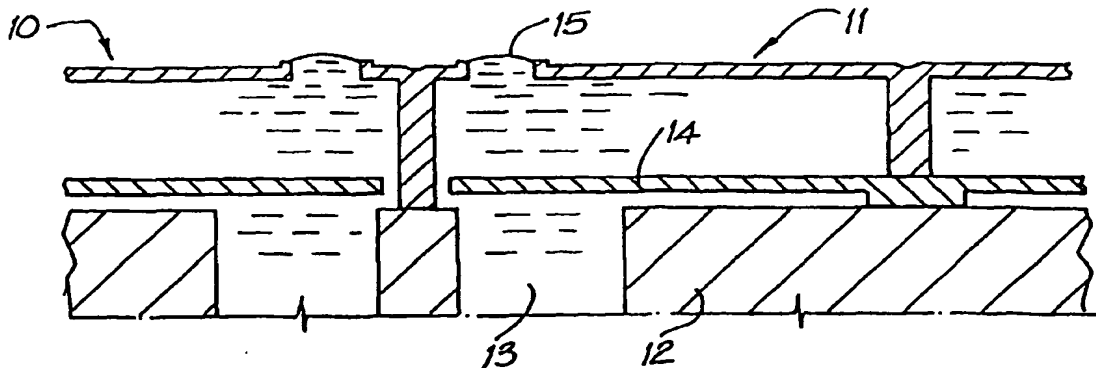
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- Published:  
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- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: INK JET PRINthead CHIP WITH PREDETERMINED MICRO-ELECTROMECHANICAL SYSTEMS HEIGHT



(57) Abstract: An inkjet printhead chip includes a wafer substrate (12). A CMOS drive circuitry layer is positioned on the wafer substrate. A plurality of nozzle arrangements is positioned on the wafer substrate and the CMOS drive circuitry layer. Each nozzle arrangement includes nozzle chamber walls and a roof wall that define a nozzle chamber and an ink ejection port (35) defined in the roof wall. A micro-electromechanical actuator (14) is connected to the CMOS drive circuitry layer. The actuator has at least one movable member (14) that is positioned to act on ink in the nozzle chamber to eject the ink from the ink ejection port on receipt of a signal from the drive circuitry layer. The movable member is spaced between 2 microns and 15 microns from the CMOS drive circuitry layer.

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# INTERNATIONAL SEARCH REPORT

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According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

DWPI & IPC- B41J 2/-, B81B & keywords (wafer, nozzle, CMOS, distance and similar terms);USPTO & ESP@CE and similar terms to those above

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1057637 A (CANON KK) 6 December 2000 See abstract, col 7 lines 31-39 and figures	1-10
X	EP 1057639 A (CANON KK) 6 December 2000 See abstract, col 7 lines 12-31 and figures	1-10
A	WO 00/48938 A (SILVERBROOK) 24 August 2000 See abstract and figures	1-10

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Further documents are listed in the continuation of Box C

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See patent family annex

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application no.

PCT/AU02/01163

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member			
EP	1057637	AU	37839/00	CA	2309232
		JP	2000343707		
EP	1057639	AU	37863/00	CA	2311143
		JP	2001047631	US	6402302
WO	00/48938	AU	26503/00	EP	1165432
				US	6390605
END OF ANNEX					